PATENT APPLICATION

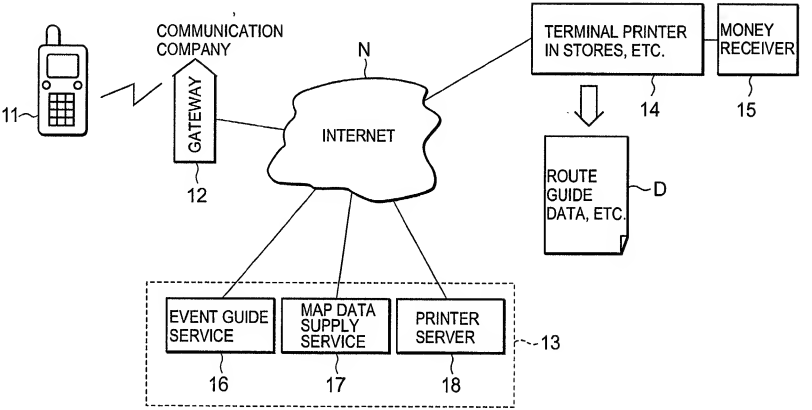

FIG.1

Title: IMAGE FORMING SYSTEM AND IMAGE FORMING APPARATUS
Inventor(s): Akinori IWASE et al.
Attorney Docket No.: 065905-0249

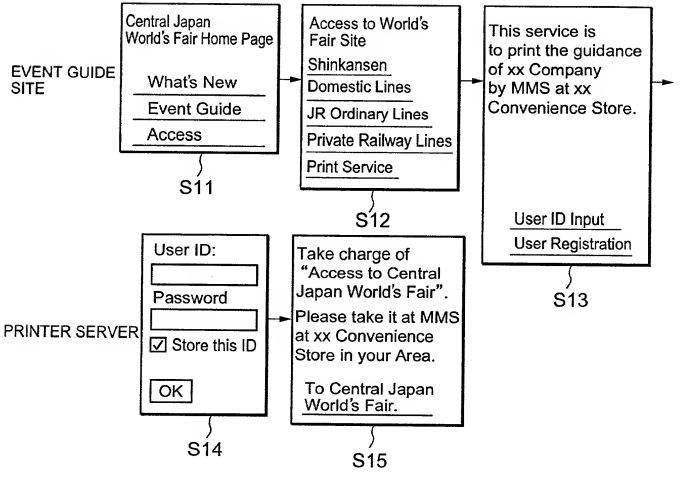
EVENT GUIDE SITE
Central Japan World's Fair Home Page
What's New
Event Guide
Access
S11
Access to World's Fair Site
Shinkansen
Domestic Lines
JR Ordinary Lines
Private Railway Lines
Print Service
S12
This service is to print the guidance of xx Company by MMS at xx Convenience Store.
User ID Input
User Registration
S13
PRINTER SERVER
User ID:
Password
Store this ID
OK
S14
Take charge of "Access to Central Japan World's Fair".
Please take it at MMS at xx Convenience Store in your Area.
To Central Japan World's Fair.
S15

FIG.2A

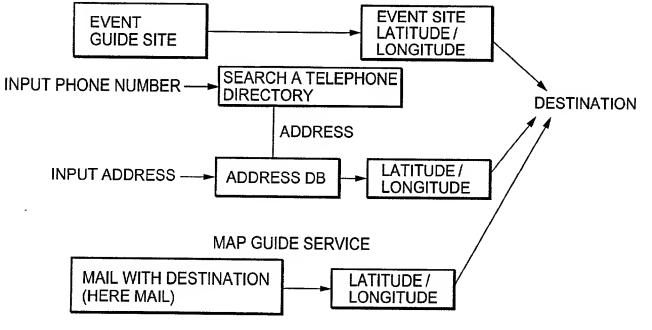
EVENT GUIDE SITE
EVENT SITE LATITUDE / LONGITUDE
INPUT PHONE NUMBER
SEARCH A TELEPHONE DIRECTORY
DESTINATION
ADDRESS
INPUT ADDRESS
ADDRESS DB
LATITUDE / LONGITUDE
MAP GUIDE SERVICE
MAIL WITH DESTINATION (HERE MAIL)
LATITUDE / LONGITUDE

FIG.2B

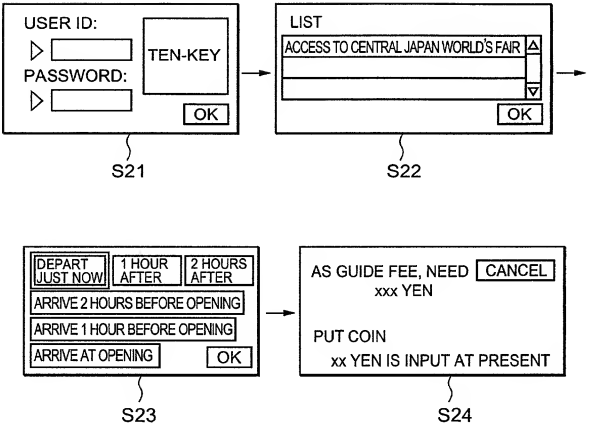
USER ID:
PASSWORD:
TEN-KEY
OK
S21
LIST
ACCESS TO CENTRAL JAPAN WORLD'S FAIR
OK
S22
DEPART JUST NOW
1 HOUR AFTER
2 HOURS AFTER
ARRIVE 2 HOURS BEFORE OPENING
ARRIVE 1 HOUR BEFORE OPENING
ARRIVE AT OPENING
OK
S23
AS GUIDE FEE, NEED
xxx YEN
CANCEL
PUT COIN
xx YEN IS INPUT AT PRESENT
S24

FIG.3

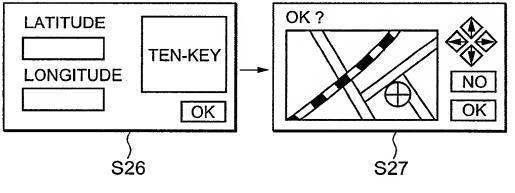
LATITUDE
LONGITUDE
TEN-KEY
OK
S26
OK ?
NO
OK
S27

FIG.4

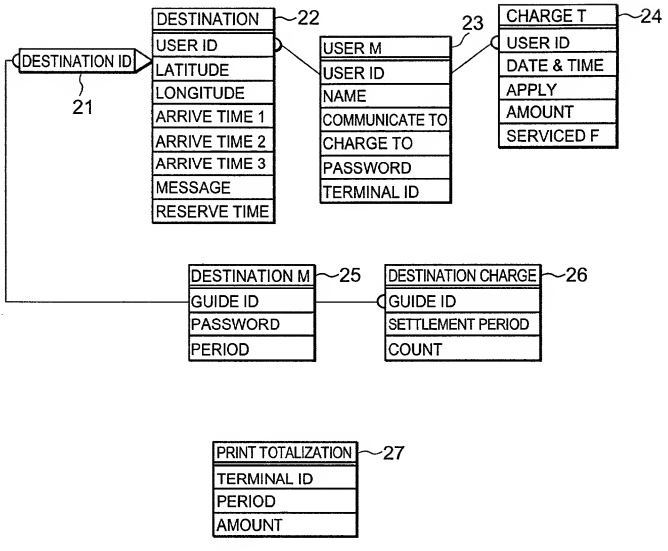

FIG.5

DESTINATION ID = 123456
DESTINATION LONGITUDE = 35.078543
DESTINATION LATITUDE = 135.000000
ARRIVED TIME 1 = 9:00, "ARRIVE 2 HOURS BEFORE OPENING"
ARRIVED TIME 2 = 8:00, "ARRIVE 1 HOUR BEFORE OPENING"
ARRIVED TIME 3 = 9:00, "ARRIVE AT OPENING"
MESSAGE = "PRESENT AT THE SITE FROM 9:00 ~ 17:00"
Password = X3EACE

FIG.6

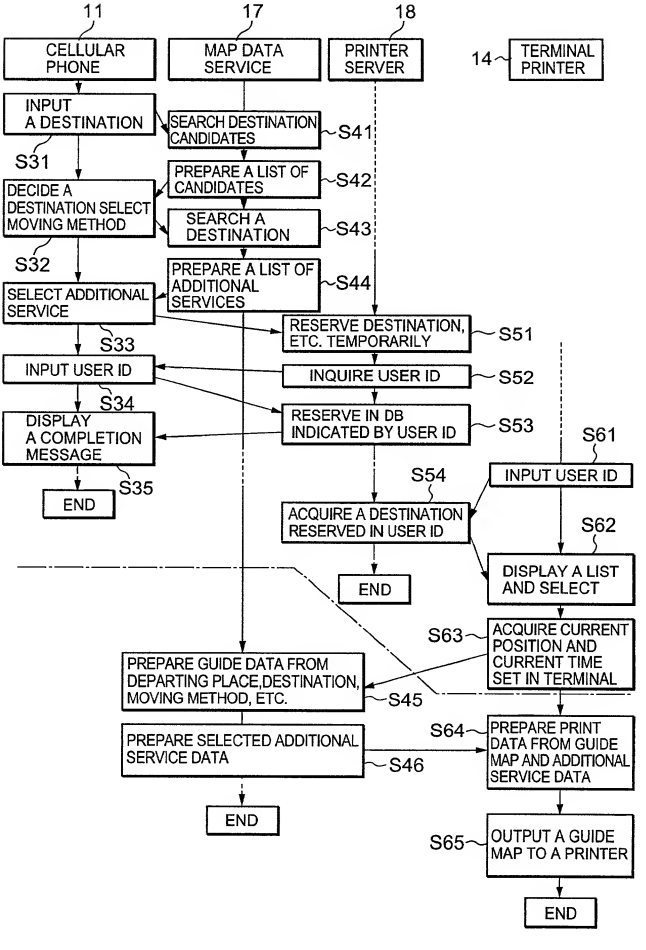
11
17
18
CELLULAR PHONE
MAP DATA SERVICE
PRINTER SERVER
14
TERMINAL PRINTER
INPUT A DESTINATION
SEARCH DESTINATION CANDIDATES
S41
S31
PREPARE A LIST OF CANDIDATES
S42
DECIDE A DESTINATION SELECT MOVING METHOD
SEARCH A DESTINATION
S43
S32
PREPARE A LIST OF ADDITIONAL SERVICES
S44
SELECT ADDITIONAL SERVICE
RESERVE DESTINATION, ETC. TEMPORARILY
S51
S33
INPUT USER ID
INQUIRE USER ID
S52
S34
RESERVE IN DB INDICATED BY USER ID
S53
S61
DISPLAY A COMPLETION MESSAGE
S35
S54
INPUT USER ID
END
ACQUIRE A DESTINATION RESERVED IN USER ID
S62
END
DISPLAY A LIST AND SELECT
S63
ACQUIRE CURRENT POSITION AND CURRENT TIME SET IN TERMINAL
PREPARE GUIDE DATA FROM DEPARTING PLACE,DESTINATION, MOVING METHOD, ETC.
S45
S64
PREPARE SELECTED ADDITIONAL SERVICE DATA
S46
PREPARE PRINT DATA FROM GUIDE MAP AND ADDITIONAL SERVICE DATA
END
S65
OUTPUT A GUIDE MAP TO A PRINTER
END

FIG.7

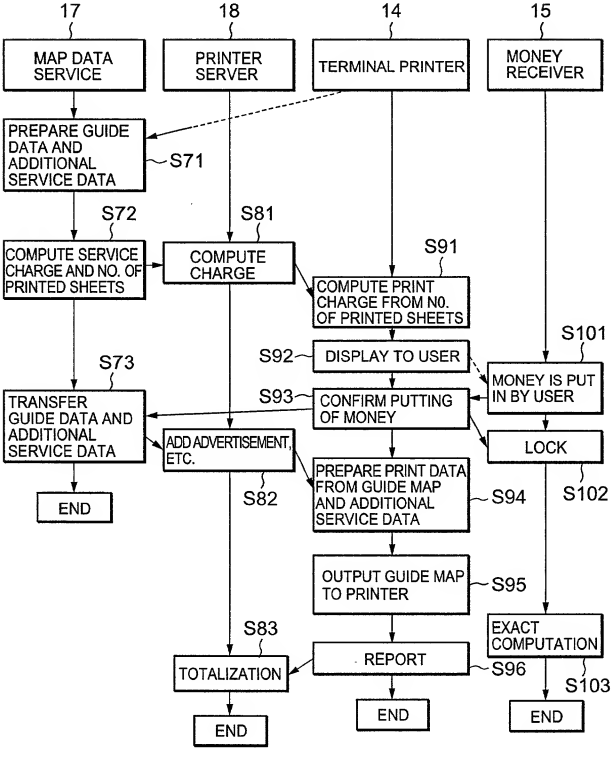
17
18
14
15
MAP DATA SERVICE
PRINTER SERVER
TERMINAL PRINTER
MONEY RECEIVER
PREPARE GUIDE DATA AND ADDITIONAL SERVICE DATA
S71
S72
S81
S91
COMPUTE SERVICE CHARGE AND NO. OF PRINTED SHEETS
COMPUTE CHARGE
COMPUTE PRINT CHARGE FROM N0. OF PRINTED SHEETS
S101
S92
DISPLAY TO USER
S73
MONEY IS PUT IN BY USER
S93
CONFIRM PUTTING OF MONEY
TRANSFER GUIDE DATA AND ADDITIONAL SERVICE DATA
ADD ADVERTISEMENT, ETC.
LOCK
PREPARE PRINT DATA FROM GUIDE MAP AND ADDITIONAL SERVICE DATA
S94
S102
END
S82
OUTPUT GUIDE MAP TO PRINTER
S95
S83
EXACT COMPUTATION
REPORT
S96
TOTALIZATION
S103
END
END
END

FIG.8

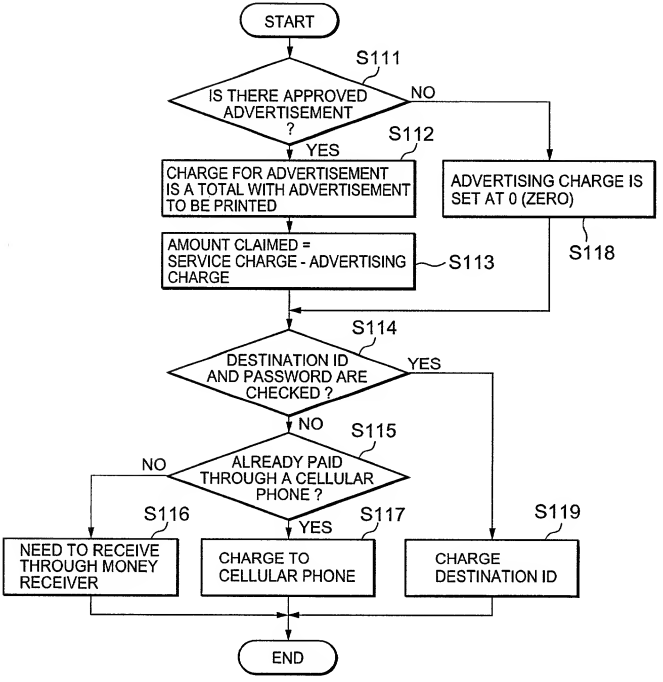
START
S111
IS THERE APPROVED ADVERTISEMENT ?
NO
YES
S112
CHARGE FOR ADVERTISEMENT IS A TOTAL WITH ADVERTISEMENT TO BE PRINTED
ADVERTISING CHARGE IS SET AT 0 (ZERO)
S118
AMOUNT CLAIMED = SERVICE CHARGE - ADVERTISING CHARGE
S113
S114
DESTINATION ID AND PASSWORD ARE CHECKED ?
YES
NO
S115
NO
ALREADY PAID THROUGH A CELLULAR PHONE ?
S116
S117
S119
YES
NEED TO RECEIVE THROUGH MONEY RECEIVER
CHARGE TO CELLULAR PHONE
CHARGE DESTINATION ID
END

FIG.9

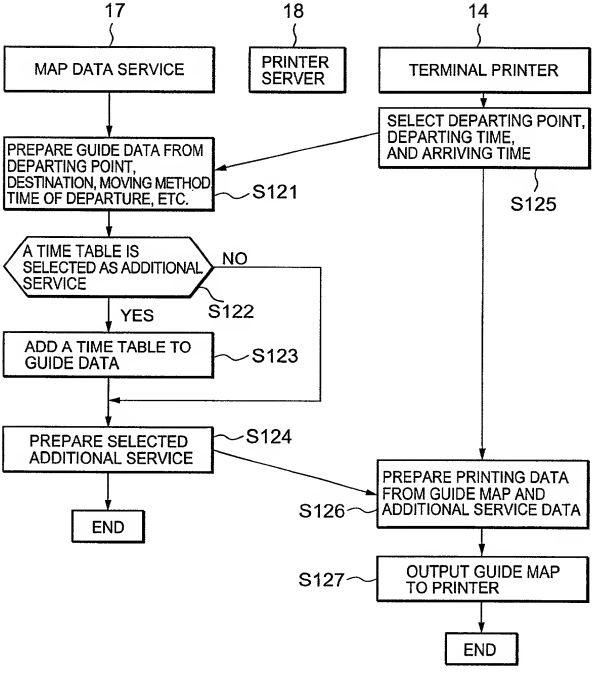
17
18
14
MAP DATA SERVICE
PRINTER SERVER
TERMINAL PRINTER
SELECT DEPARTING POINT, DEPARTING TIME, AND ARRIVING TIME
PREPARE GUIDE DATA FROM DEPARTING POINT, DESTINATION, MOVING METHOD TIME OF DEPARTURE, ETC.
S121
S125
A TIME TABLE IS SELECTED AS ADDITIONAL SERVICE
NO
S122
YES
ADD A TIME TABLE TO GUIDE DATA
S123
PREPARE SELECTED ADDITIONAL SERVICE
S124
PREPARE PRINTING DATA FROM GUIDE MAP AND ADDITIONAL SERVICE DATA
S126
OUTPUT GUIDE MAP TO PRINTER
S127
END
END

FIG.10

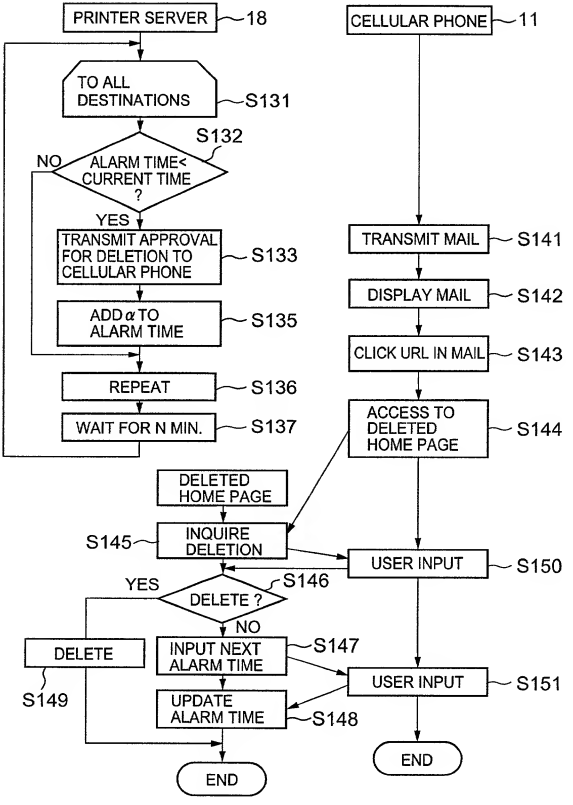
PRINTER SERVER
18
CELLULAR PHONE
11
TO ALL DESTINATIONS
S131
S132
NO
ALARM TIME< CURRENT TIME ?
YES
TRANSMIT APPROVAL FOR DELETION TO CELLULAR PHONE
S133
ADD α TO ALARM TIME
S135
REPEAT
S136
WAIT FOR N MIN.
S137
TRANSMIT MAIL
S141
DISPLAY MAIL
S142
CLICK URL IN MAIL
S143
ACCESS TO DELETED HOME PAGE
S144
DELETED HOME PAGE
S145
INQUIRE DELETION
USER INPUT
S150
YES
DELETE ?
S146
NO
DELETE
INPUT NEXT ALARM TIME
S147
USER INPUT
S151
S149
UPDATE ALARM TIME
S148
END
END

FIG.11